



IBW

Attorney Docket No.: 58248-CIP2 (47606)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): CHUN et al. Examiner: Not Yet Known
U.S. SERIAL NO.: 10/684,346 Art Unit: 1645
FILED: October 11, 2003
FOR: TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY
SENSITIVE PROBE COMPRISING A NUCLEIC ACID BASED
SIGNAL TRANSDUCER

.....
CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 3, 2004.

By: Sharon Bizokas
Sharon Bizokas

.....
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Transmitted herewith for filing in the above-referenced patent application are the following documents:

1. Request for Corrected Notice of Recordation of Assignment Document (2 pages);
2. Assignment papers (7 pages);
3. Copy of Notice of Recordation with Corrections Indicated (2 pages);
4. This transmittal letter (1 page) (x2); and
5. Return Receipt Postcard

The Commissioner is hereby authorized to charge any excess fees that may be required, or credit any overpayment to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Kathryn A. Piffat, Ph.D.

Kathryn A. Piffat, Ph.D., Reg. 34,901
Intellectual Property Practice Group of
Edwards & Angell, LLP
P.O. Box 55874
Boston, MA 02205
(617) 439-4444

Date: December 3, 2004

Customer No. 21874



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By: 
Sharon Bizokas

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED NOTICE OF RECORDATION
OF ASSIGNMENT DOCUMENT**

Dear Sir or Madam:

Applicants received a Notice of Recordation Of Assignment Document in which one of the Inventor's name is misspelled. It should read: **DONGDAEMOON-GU** as opposed to DONGDAEMOON-SU.

Returned herewith is a copy of the Assignment papers (the Notice of Recordation of Assignment Document, the Assignment and Recordation Form Cover Sheet (Form PTO 1595), and a *copy* of the Notice of Recordation of Assignment Document is also enclosed with the required changes marked in red ink.

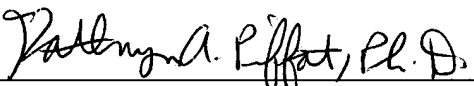
It is requested that the U.S. Patent and Trademark Office correct the data in the assignment processing system and issue a corrected Notice of Recordation.

Because this Request for Corrected Notice is not due to Applicant error, it is believed that no additional fee is required.

The Commissioner is hereby authorized to charge any fees that may be required to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: December 3, 2004


Kathryn A. Piffat, Ph.D., Reg. No.: 34,901
Intellectual Property Practice Group of
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, Massachusetts 02205
Tel.: 617-439-4444
Fax: 617-439-4170

Customer No.: 21874

RLB/KAP 58248-CIP2 (H7606)

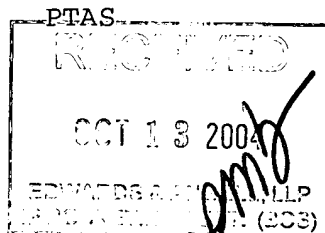


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 06, 2004

EDWARDS & ANGELL LLP
KATHRYN A. PIFFAT
P.O. BOX 55874
BOSTON, MA 02205



102725320A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/16/2004

REEL/FRAME: 015219/0216

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 58248-CIP2(47606)

ASSIGNOR:

CHUN, KEUN HO

DOC DATE: 02/28/2004

ASSIGNOR:

HWANG, HYUN JIN

DOC DATE: 02/28/2004

ASSIGNEE:

AHRAM BIOSYSTEMS, INC.
#405 JANGAN BLDG., 464-1 JANGAN-3-
DONG
DONGDAEMOON-SU, SEOUL 130-103

REPUBLIC OF KOREA

Corrected Assignment Fee

Edwards & Angell LLP

101 Federal St. Boston, MA 02110

Docketed For

By

Approved

015219/0216 PAGE 2

SERIAL NUMBER: 10684346

FILING DATE: 10/10/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY SENSITIVE PROBE
COMPRISING A NUCLEIC ACID BASED SIGNAL TRANSDUCER

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595
(Rev. 6-93)

04-20-2004

DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECOI



HEET

102725320

4.16.04

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Keun Ho CHUN and Hyun Jin HWANG

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Ahram Biosystems Inc.Address: #405 Jangnan Bldg., 464-1 Jangnan-3-dong
Dongdaemoon-gu, Seoul 130-103
Republic of Korea

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: February 28, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s): 10/684,346

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kathryn A. Piffat, Ph.D. (Reg. No.: 34,901)
 Street Address: Intellectual Property Group of
Edwards & Angell, LLP
P.O. Box 55874
 City: Boston State: MA Zip: 02205

6. Total number of applications and patents involved: [1]7. Total fee (37 CFR 3.41):.....\$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 04-1105

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Kathryn A. Piffat, Ph.D. (Reg. No.: 34,901)
 Name of Person Signing

Kathryn A. Piffat, Ph.D.
 Signature

April 14, 2004
 Date

Total number of pages including cover sheet, attachments, and documents: **3**

OMB No. 0651-0011 (exp. 4/94)

ASSIGNMENT

We, **Keun Ho CHUN**, residing at 106-2402 Han-gang Daewoo Apt., 415 Ichon-1-dong, Yongsan-gu, Seoul 140-713, Republic of Korea, and **Hyun Jin HWANG**, residing at 3-706 Kukdong 1-Cha Apt., 218-1 Gwangjang-dong, Gwangjin-gu, Seoul 143-751, Republic of Korea; for good and valuable consideration from **Ahram Biosystems Inc.**, a corporation organized under the laws of Republic of Korea, having its principal place of business at #405 Jangan Bldg., 464-1 Jangan-3-dong, Dongdaemoon-gu, Seoul 130-103, Republic of Korea, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. **10/684,346** filed on **October 11, 2003** for improvements in the **TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY SENSITIVE PROBE COMPRISING A NUCLEIC ACID BASED SIGNAL TRANSDUCER** including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

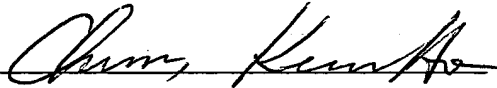
BEST AVAILABLE COPY

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

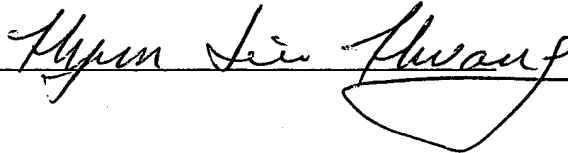
The undersigned hereby grants the law firm of Edwards & Angell, LLP, P.O. Box 9169, Boston, MA 02209, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document.

IN WITNESS WHEREOF, I, **Keun Ho Chun**, hereunto set my hand and seal this 28th day of Feb., 2004, and, I, **Hyun Jin Hwang**, hereunto set my hand and seal this 28th day of February, 2004.

Keun Ho CHUN



Hyun Jin HWANG





Attorney Docket No.: 58248-CIP2 (47606)

BY THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): CHUN et al.

Examiner: Not Yet Known

U.S. SERIAL NO.: 10/684,346

Art Unit: 1645

FILED: October 11, 2003

FOR: TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY SENSITIVE PROBE COMPRISING A NUCLEIC ACID BASED SIGNAL TRANSDUCER

CERTIFICATE OF MAILING

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By: Sharon Bizokas
Sharon Bizokas

Mail Stop: Assignment
Commissioner of Patents
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Alexandria, VA 22313-1450

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3. A check in the amount of \$40.00 (recordation fee);
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Respectfully submitted,

Date: April 14, 2004

Kathryn A. Piffat, Ph.D.
Kathryn A. Piffat, Reg. No. 34,901
Intellectual Property Practice Group of
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P.O. Box 55874
Boston, Massachusetts 02205
Tel.: 617.439.4444

Customer No. 21874

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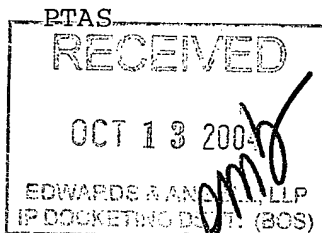


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 06, 2004

EDWARDS & ANGELL LLP
KATHRYN A. PIFFAT
P.O. BOX 55874
BOSTON, MA 02205



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DOC DATE: 02/28/2004

ASSIGNOR:

HWANG, HYUN JIN

DOC DATE: 02/28/2004

ASSIGNEE:

AHRAM BIOSYSTEMS, INC.
#405 JANGAN BLDG., 464-1 JANGAN-3-
DONG
DONGDAEMOON-SU, SEOUL 130-103

REPUBLIC OF KOREA

Corrected Assignment Fee

Edwards & Angell LLP

101 Federal St. Boston, MA 02110

Docketed For

By *DMB*

Approved

10/21/04 - 11/5/04

015219/0216 PAGE 2

SERIAL NUMBER: 10684346

FILING DATE: 10/10/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY SENSITIVE PROBE
COMPRISING A NUCLEIC ACID BASED SIGNAL TRANSDUCER

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS